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03597578    \*\*Image available\*\*  
LIP SEAL DEVICE

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INVENTOR(s):    TAKENAKA AKIRA  
APPLICANT(s):   TAIHO KOGYO CO LTD [366820] (A Japanese Company or  
                 Corporation), JP (Japan)  
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#### ABSTRACT

PURPOSE: To absorb center dislocation of a rotary **shaft** or its swinging by surrounding the elastic deformation part by a guide surface to curve the **lip** , an end **face** extending outward in the **radial** direction, and a cylindrical outside surface extending in the axial direction.

CONSTITUTION: A ring-shaped elastic member 5 is equipped with an elastically deforming part 5B having the large wall thickness surrounded by a guide surface 5a which overlaps on that surface of a **lip** 6 situated on the encapsulated fluid side, i.e. on the left side surface, and bends the **lip** 6 into a specified shape together with a flange part 4b, an end **face** 5b which extends outward in the **radial** direction from near the bore 6b of the **lip** 6 as shown by an imaginary line, and a cylindrical outside surface 5c which extends in the axial direction from the position close to the periphery of the **lip** 6. A space 10 continued circumferentially to a holding member 9 is formed at the periphery of this cylindrical outside surface 5c on its **lip** 6 side, and the encapsulated fluid side of the surface 5c is continued to the seal part 5A. Thereby the **lip** 6 is allowed to follow up a rotary **shaft** 2 in good performance while its center dislocation or swinging is absorbed effectively by the elastically deforming part 5B and the space 10 outside it.

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